

ABSTRACT OF THE DISCLOSURE



5 For carrying out a heterogeneously catalyzed
reaction, such as the generation of hydrogen from
hydrocarbons or alcohol, a reaction mixture comprising a
hydrocarbon and water is supplied to a catalyst, which is
produced by pressing at least one catalyst powder into a
layer. Instead of a metallic housing, stacked layers are
sealed by an edge seal, introduced into the layer or
10 applied on the layer.